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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/828,702	04/06/2001	Daniel S. Larson	5088-000002	6473

7590 08/26/2004

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EXAMINER

SIDDIQI, MOHAMMAD A

ART UNIT	PAPER NUMBER
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2154

DATE MAILED: 08/26/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/828,702	LARSON ET AL.	
	Examiner	Art Unit	
	Mohammad A Siddiqi	2154	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
 - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
 - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
 - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 06 April 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-28 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-28 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 06 April 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date <u>9/22/03</u> | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. Claims 1-28 are presented for examination.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

3. Claims 1-2, 9-22, and 24-26 are rejected under 35 U.S.C. 102(e) as being anticipated by Roytman et al. (U.S. publication 2002/0012011) (Hereinafter Roytman).

4. As per claim 1, Roytman discloses a method of managing at least part of a computer network (fig 6-8, page 2, paragraph #0016, page 3, paragraph #0031-#0035, page 6, paragraph #0063), the method comprising:

generating an action signal (page 1, paragraph #0005, page 2, paragraph #0012) from a wireless device (Potable management interface, page 4, paragraph #0041, page 6, paragraph #0063), the action signal corresponding to a desired network management action (resolving problems that trigger alarms, page 4, paragraph #0042) to be performed (page 4, paragraph #0041-#0042) in connection with the computer network (fig 6-8, page 2, paragraph #0016, page 3, paragraph #0031-#0035, page 6, paragraph #0063);

sending the action signal (page 4, paragraph #0041-#0042) to the computer network (page 1, paragraph #0005, page 2, paragraph #0012) and processing the action signal (resolving problems that trigger alarms, page 4, paragraph #0042); and

performing (page 4, paragraph #0041-#0042) the desired network management action (resolving problems that trigger alarms, page 4, paragraph #0042) on the computer network (fig 6-8, page 2, paragraph #0016, page 3, paragraph #0031-#0035, page 6, paragraph #0063).

5. As per claim 2, Roytman discloses further comprising obtaining a result pertaining to the desired network management action (page 4,

paragraph #0041-#0043) and sending (resolving problems that trigger alarms, page 4, paragraph #0042) the result to the wireless device (fig 6-8, page 4, paragraph #0041-#0042, page 6, paragraph #0063).

6. As per claim 9, Roytman discloses further comprising displaying a menu system (page 5, paragraph #0051), having a plurality of menus (page 5, paragraph #0051), on the wireless device (Potable management interface, page 1, paragraph #0007, page 6, paragraph #0063) and the menus comprise lists of selectable network devices (page 4, paragraph #0047) and functions corresponding to the network devices (selected criteria, page 4, paragraph #0041-#0042) network (fig 6-8, page 2, paragraph #0016, page 3, paragraph #0031-#0035,).

7. As per claim 10, Roytman discloses further comprising selecting a device and a function from the menus (page 5, paragraph #0051) using the wireless device (Potable management interface, page 4, paragraph #0041, page 6, paragraph #0063) and transmitting a signal corresponding to the device and function to the computer network (fig 6-8, page 2, paragraph #0016, page 3, paragraph #0031-#0035).

8. As per claim 11, Roytman discloses further comprising performing the function on the network device and transmitting (transmissible, page 6, paragraph #0063) a result pertaining to the function to the wireless device (Potable management interface, page 1, paragraph #0007, page 6, paragraph #0063) network (fig 6-8, page 3, paragraph #0031-#0035).

9. As per claim 12, Roytman discloses a wireless device adapted to assist in remotely managing a computer network (Potable management interface, page 1, paragraph #0007, page 6, paragraph #0063), the computer network comprising a server, software, and hardware (fig 6-8, page 6, paragraph #0063), the wireless device (Potable management interface, page 4, paragraph #0041-0043, page 6, paragraph #0063) comprising:

a screen for displaying information (fig 6-8, Potable management interface, page 4, paragraph #0041-0043, page 6, paragraph #0063);

controls for operating the wireless device (fig 6-8, Potable management interface, page 4, paragraph #0041-0043, page 6, paragraph #0063);

software for causing menus to be displayed on the screen (fig 6-8, Potable management interface, page 4, paragraph #0041-0043, page 6, paragraph #0063), the menus corresponding to actions pertaining to managing the computer network (fig 6-8, Potable management interface,

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page 4, paragraph #0041-0043, page 6, paragraph #0063), wherein the controls can be activated to select a desired network management action (fig 6-8, Potable management interface, page 4, paragraph #0041-0043, page 6, paragraph #0063); and

a transmitter for transmitting an (page 6, paragraph #0063) action signal (instructing the agent program, Page 3, paragraph #0031) corresponding to the desired network management action (fig 6-8, Potable management interface, page 4, paragraph #0041-0043, page 6, paragraph #0063).

10. As per claim 13, Roytman discloses further comprising a receiver for receiving signals (page 3, paragraph #0033, page 5, paragraph #0060) from the computer network corresponding to a result pertaining to the desired network management action (page 3, paragraph #0033).

11. As per claim 14, Roytman discloses a user interface for controlling a computer network (fig 6-8, Potable management interface, page 4, paragraph #0041-0043) comprising:

a device menu that identifies (fig 6-8, Potable management interface, page 4, paragraph #0041-0043) at least some of the devices that comprise

the computer network (fig 6-8, Potable management interface, page 4, paragraph #0041-0043, page 6, paragraph #0063):

- a device selection identifier (Attributes and parameters, page 3, paragraph #0031) that allows for selecting one of the devices (fig 8, page 3, paragraph #0031-#0035);

- function menus corresponding to the devices (fig 6-8, Potable management interface, page 4, paragraph #0041-0043, page 6, paragraph #0063), the menus identifying at least some functions that can be performed in connection with the devices (fig 6-8, page 2, paragraph #0016, page 3, paragraph #0031-#0035);

- a function selection identifier corresponding to the function menus that allows for selecting one of the functions (fig 6-8, Potable management interface, page 4, paragraph #0041-0043, page 6, paragraph #0063), and wherein an entity is able to select one of the devices comprising the computer network and select one of the functions corresponding to the device that is selected (fig 6-8, page 2, paragraph #0016, page 3, paragraph #0031-#0035); and

- a result screen that displays a result corresponding to the function (fig 6-8, Potable management interface, page 4, paragraph #0041-0043, page 6, paragraph #0063) that is selected (fig 6-8, page 2, paragraph #0016,

page 3, paragraph #0031-#0035).

12. As per claim 15, Roytman discloses wherein one of the devices comprises a server (page 3, paragraph #0033).

13. As per claim 16, Roytman discloses wherein one of the devices comprises a router (network apparatus, fig 5, page 3, 0030).

14. As per claim 17, Roytman discloses wherein the devices comprise at least one router and at least one server (page 3, paragraph #0033).

15. As per claim 18, Roytman discloses wherein the user interface further comprises a main menu (fig 6-8, Potable management interface, page 4, paragraph #0041-0043) that lists options corresponding to alerts (Alarm Manager, page 4, paragraph #0041), bulletins (page 6, paragraph #0063), activity log, and devices comprising the computer network (fig 6-8, page 2, paragraph #0016, page 3, paragraph #0031-#0035).

16. As per claim 19, Roytman discloses wherein an option corresponding to devices comprising the computer network (fig 6-8, Potable management interface, page 4, paragraph #0041-0043), when selected, provides a menu

corresponding to at least one router and at least one server (fig 6-8, Potable management interface, page 4, paragraph #0041-0043) of the computer network (fig 6-8, page 3, paragraph #0030-#0035).

17. As per claim 20, Roytman discloses wherein the functions comprise statistics and reboot/shutdown (fig 5, page 4, paragraph #0038-0040).

18. As per claim 21, Roytman discloses wherein the functions further comprise manage services and activity log (page 4, paragraph #0038-0040).

19. As per claim 22, Roytman discloses a system for remotely managing at least part of a computer network using a wireless device (fig 6-8, Potable management interface, page 4, paragraph #0041-0043, page 6, paragraph #0063), the system comprising:

an interface (fig 6-8, Potable management interface, page 4, paragraph #0041-0043) for providing communication between the wireless device and the computer network (fig 6-8, page 2, paragraph #0016, page 3, paragraph #0031-#0035, page 6, paragraph #0063);

a controller for controlling requests from the wireless device (fig 6-8, Potable management interface, page 4, paragraph #0041-0043, page 6,

paragraph #0063) to perform network management actions (fig 6-8, page 2, paragraph #0016, page 3, paragraph #0031-#0035);

a plurality of renderers for determining the network management actions to perform based upon the requests (fig 6-8 page 3, paragraph #0031-#0035, page 6, paragraph #0063); and

a plurality of models (page 3, paragraph #0030-0032) for performing the network management actions requested via the wireless device (fig 6-8, page 2, paragraph #0016, page 3, paragraph #0031-#0035, page 6, paragraph #0063).

20. As per claim 24, Roytman discloses further comprising communication means for use with the wireless device (fig 6-8, Potable management interface, page 4, paragraph #0041-0043, page 6, paragraph #0063) to transmit the requests to the computer network and receive responses from the computer network (fig 6-8, page 2, paragraph #0016, page 3, paragraph #0031-#0035).

21. As per claim 25, Roytman discloses wherein the interface is adapted to generate menus representing a predefined set of available network management actions and display the menus on the wireless device network

(fig 6-8, Potable management interface, page 4, paragraph #0041-0043, page 6, paragraph #0063).

22. As per claim 26, Roytman discloses a computer data signal embodied in a carrier wave and representing sequences of instructions which (fig 6-8, page 4, paragraph #0041-0043, page 6, paragraph #0063), when executed by a processor causes the processor to communicate with at least part of a computer network to control network management (fig 6-8, page 2, paragraph #0016, page 3, paragraph #0031-#0035, page 6, paragraph #0063) by performing the steps of:

generating an action signal from a request for a desired network management action from a wireless device (fig 6-8, Potable management interface, page 4, paragraph #0041-0043, page 6, paragraph #0063);

transmitting the action signal to the computer network (fig 6-8, Potable management interface, page 4, paragraph #0041-0043, page 6, paragraph #0063);

processing the action signal to determine at least one corresponding network management command for performing the desired network management action (fig 6-8, Potable management interface, page 4, paragraph #0041-0043, page 6, paragraph #0063); and

executing the at least one corresponding network management command (fig 6-8, Potable management interface, page 4, paragraph #0037-0043, page 6, paragraph #0063) to perform the desired network management action (fig 6-8, page 2, paragraph #0016, page 3, paragraph #0031-#0035, page 6, paragraph #0063).

Claim Rejections - 35 USC § 103

23. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

24. Claims 3-8, 23, and 27-28 are rejected under 35 U.S.C. 103(a) as being unpatentable over Roytman et al. (U.S. publication 2002/0012011) (Hereinafter Roytman) in view of See et al. (6,070,243) (Hereinafter See).

25. As per claim 3, Roytman does not disclose further comprising performing a security clearance procedure prior to sending the action signal to ensure that the desired network management action is authorized.

However, See discloses performing a security clearance procedure prior to sending the action signal to ensure that the desired network management action is authorized (col 2, lines 35-67). It would have been obvious to one of ordinary skill in the art at the time of the invention was made to combine the teaching of Roytman and See because See's use of security clearance procedure would provide a Roytman's System with user authentication process for a communication network prior to granting them access to personalized set of network resources.

26. As per claim 4, Roytman discloses wireless (page 6, paragraph #0063).

Roytman does not disclose wherein the security clearance procedure comprises sending a password from the device to the computer network and verifying that the password corresponds to an authorized entity.

See discloses the security clearance procedure comprises sending a password (col 7, lines 56-60) from the device to the computer network and verifying that the password corresponds to an authorized entity (col 2, lines 35-67).

27. As per claim 5, Roytman does not disclose the encrypting the action signal and password prior to sending the action signal and password and

decrypting the action signal and password at the computer.

See discloses encrypting the action signal and password prior to sending the action signal and password (col 7, lines 56-60) and decrypting the action signal and password at the computer (col 5, lines 40-58). It would have been obvious to one of ordinary skill in the art at the time of the invention was made to combine the teaching of Roytman and See because See's encrypting the action signal and deciphering encrypted information would provide a Roytman's System a secure communication with the network.

28. As per claim 6, Roytman does not specifically disclose further comprising corresponding the password to a predefined set of authorized actions that an entity is authorized to perform on the computer network and only allowing the authorized actions to be performed by the entity with the corresponding.

See discloses further comprising corresponding the password to a predefined set of authorized actions that an entity is authorized to perform on the computer network and only allowing the authorized actions to be performed by the entity with the corresponding (col 2, lines 56-67). It would have been obvious to one of ordinary skill in the art at the time of the invention was made to combine the teaching of Roytman and See because See's process of gaining access to personalized set of network resources would provide a

Roytman's System a method of assigning a roles and privileges based on user identification and authentication.

29. As per claim 7, Roytman discloses wherein the authorized set of actions is less than a total number of actions that can be performed (Summary, fig 6-8, page 4, paragraph #0041-0043) on the computer network (fig 6-8, page 2, paragraph #0016, page 3, paragraph #0031-#0035, page 6, paragraph #0063).

30. As per claim 8, Roytman discloses further comprising generating menus reflecting the predefined set of actions and displaying the menus on the wireless device (fig 6-8, page 4, paragraph #0041-0043);

31. As per claim 23, Roytman does not disclose security means to resist unauthorized network management actions.

See discloses security means to resist unauthorized network management actions (col 2, lines 36-67).

32. As per claim 27, Roytman discloses wherein a plurality of network management actions are provided in connection with the computer network and when executed by a processor causes the processor to further perform

the step of limiting the network management actions to a predetermined set of actions (page 1, paragraph #0010, page 4, paragraph #0041-0043, page 6, paragraph #0016).

Roytman does not disclose actions based upon an authorization level (col 2, lines 56-67). See discloses actions based upon an authorization level (col 2, lines 56-67).

33. As per claim 28, Roytman discloses that when executed by a processor causes the processor to further perform the steps of generating menus corresponding to the predetermined set of actions and displaying the menus on the wireless device (fig 6-8, page 4, paragraph #0041-0043, page 6, paragraph #0016).

Conclusion

34. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

U.S. Patent 6,401,085 teaches web-based information and retrieval system.

U.S. Patent 6,741,855 teaches remotely manages data via remote device.

U.S. Patent 6,421,714 teaches wireless internet system.

U.S. Patent 6,477,543

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mohammad A Siddiqi whose telephone number is (703) 305-0353. The examiner can normally be reached on Monday - Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John A Follansbee can be reached on (703) 305-8498. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

A handwritten signature in black ink, appearing to read "N. El-Hachy", is located in the bottom right corner of the page.

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MAS